

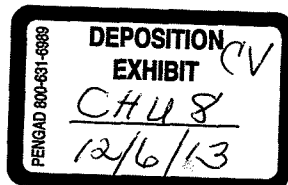
Current Approver:	n/a	Copy To on Completion:	n/a
Current Status:	Issued	Next Status:	n/a
Approval Required From:	All		

Burnside Incident Investigation Report (for Internal Use Only)

Created by Thomas Miller On 06/11/2012

Incident Information (Link to S3Y)			
Incident Number:	12-0022-RCI		
Title:	CIP Gas Leak		
Incident Date: (if applicable)	06/11/2012	Incident Time:	01:00 AM
Date of first awareness / initial DuPont contact /notified of Incident:	06/11/2012	Time of first awareness / initial DuPont contact / notified of Incident:	01:00 AM
Date Investigation Began	06/11/2012	Time Investigation Began	01:30 PM
Business/Unit:	Burnside	Area:	Acid Plant
Brief Description of known facts:	While making rounds in the plant, it was noticed a gas coming from the 1st pass exit of the converter. As operator continued make rounds, it was then noticed gas coming from the CIP. Operator then notified the control room of the gas leaks. Operator reported to the control room and called supervision.		
Immediate Action Taken:	KBR came out to secure the leaks. KBR secured the leak on the converter; were unable secure the leak on the CIP because there was not enough lighting on top of the CIP. They would secure the leak in the morning. At 0145 on 6/11/2012 the CIP gas leak worsened. Notified supervision that the gas leak was traveling in the 5& 6 tankcar rack area and we shut down tankcar activity. She informed me that; this was the right thing to do & to cut rates. I notified control room operator of supervisory instructions. Timing TBD on shutdown to make permanent repairs.		
Type of Incident : (Select all that apply)			
Was there Potential for an On-Job Injury / Illness	No		
Was there an On-Job Injury / Illness (Link to S35G)	No		
Operation status at time of incident	Normal Operation / Activity		
Incident Recommendation - PREFIX:	INE - Incident - Environmental		

Environmental and / or Process Safety			
Type of Environmental / Process Incident (Select all that apply)	Other		
Area PSM Classification	HHP		
Was there off-site impact?	No		
Outside Notification Required?	No	Names of Outside Agencies Notified	
Release - UNITS of Weight Measure:		Release Reporting Guidelines	
Amount Released out of Primary containment	Duration (Mins.)		
Was release contained?			
Amount Released out of Secondary Containment (Decimal Symbol to be ".")	To what medium?		
HTM Chemicals Released (Select All That Apply)			
Chemicals Released (other than HTM)		Sulfur Dioxide, Sulfur Trioxide	



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Were any people exposed to the chemicals?

No

Instructions

2009 ACC Reportable Quantities:

An acute release of flammable, combustible, or toxic chemical from primary containment. Release measured in 1-hr blocks.

Hydrogen Sulfide	55 lbs
Sulfur dioxide	220 lbs
Sulfur trioxide, stabilized	55 lbs
Sulfuric Acid, fuming (>30% oleum)	55 lbs
Sulfuric Acid, fuming (<30% oleum)	1100 lbs
Sulfuric Acid	2200 lbs
Sodium Hydroxide solution (all strengths):	2200 lbs
Nitrosylsulfuric acid	2200 lbs
Hydrogen Peroxide (>40% - <60%)	2200 lbs

Incident Report Quality Assurance questions.

These questions are to be reviewed and answered for each incident that is being authorized.

PHA Area Acid Plant

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8. Actual off-site impact 0

ENVIRONMENT RATING (* Indicates an automatic Category A Incident)		Points
1. Hazards and materials involved	i. Materials having significant adverse effect potential	10
2. Actual Size of release, incident or magnitude of event	e. Small - Release >0.45 kg to 4.5 kg (>1 to 10 lb).	0
6. Actual on-site Impact		0
6(1). Evacuation - Due to the presence of hazardous conditions	c. Precautionary evacuation or no evacuation	0
6(2). Shelter-in-place - Due to the presence of hazardous conditions	c. Precautionary shelter-in-place or no shelter-in-place	0
6(4). Process shutdown - Due to the presence of hazardous conditions as a result of the incident	d. Nonemergency shutdown due to very small drips or puffs that are localized at the source only and where very minimal or no production impact occurs. Note - Discretionary / nonemergency shutdowns that are taken consistent with a site's zero-leak philosophy should be scored 0 points	0
6(6). Damage to property (e.g. - groundwater / sediment / surface water / soil / or soil cover (e.g. - aggregate and shell)) contamination	c. No impact to soil / surface water / or groundwater or release limited to surface soil or water that is readily remediated by plant personnel as part of the initial response to the incident	0
6(7). Damage to wildlife (e.g. - deer / birds / or small animals) - aquatic life (e.g. fish / turtles / crabs / or frogs) - or vegetation (e.g. trees / bushes / or grass)	c. No impact or slight reversible impact to vegetation (e.g. brown grass or damage to tree leaves) aquatic life or wildlife in the area of the event only	0

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8. Actual off-site impact		0
8(1). Evacuation	c. No evacuation	0
8(2). Shelter-in-place	c. No precautionary or nonprecautionary shelter-in-place	0
8(3). Injury	b. None	0
8(4). Media Coverage	d. None	0
8(5). Damage to property (e.g. - groundwater / sediment / surface water / soil / or soil cover (e.g. - aggregate and shell) contamination)	c. None	0
8(6). Damage to wildlife (e.g. - deer / birds / or small animals) - aquatic life (e.g. fish / turtles / crabs / or frogs) - or vegetation (e.g. trees / bushes / or grass)	c. None	0
8(7). Community impact	d. None	0
8(8). Outside agency emergency response	b. No notification - involvement - or outside agency responders notified and on standby or observing with no active involvement in emergency response	0
8(9). Government and external reporting	c. Precautionary, courtesy, or no reporting	0
8(10). Government response	c. None	0
		10
Environment Rating: C		

6. Actual on-site Impact	0
8. Actual off-site impact	0

6. Actual on-site Impact	0
8. Actual off-site impact	0

Incident Type	Rating (A, B, C) (Link to S8Y)	Rating Number
Environmental		
POTENTIAL ON-JOB INJURY		
POTENTIAL On-Job Injury / Illness		

Determination of Investigation Requirements	
Is this a repeat incident?	Yes
Do you expect that Mechanical Integrity (MI) and/or Quality Assurance (QA) will be significant key factors or contributors to this incident?	
Is Further / Full Investigation of this incident recommended / required ?	
Reporting \ Roll-Up details are required for all incidents	

"One-Pager" Communication	
Is a "One-Pager" to be prepared?	No
Preliminary One-Pager Suggested: All Event Related Injuries All Category A, B Incidents Near Miss Incidents (>LWC) Other type with important learnings	Final One-Pager Suggested: All Event Related LWC All Category A, B Incidents Other type with important additional learnings

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MitC - INC (Incident Notification Communication) / ITS Transfer Status

Transfer enabled By:

Thomas Miller/CL/DuPont On : 06/13/2012

Environmental and / or Process Safety

Primary equipment involved		Process Equipment (Reactors / Mixers / Extruders / Etc.)		
Units of material released quantity				
<u>Material Type</u>	<u>Name of Chemical / Material</u>	<u>Amount Released out of Primary containment</u>	<u>Amount Released out of Secondary Containment</u>	<u>Released out of Secondary Containment to:</u>
PSM Incident Cost Calculator				
Property Damage cost (\$)		\$0		
Environmental Damage cost (\$)		\$0		
Business Interruption cost (\$)		\$0		
Other Cost (\$)		\$0		
Total Cost (\$)		\$0		

Associated CAR's

Email will go to the default distribution list.

Preliminary: n/a

Issue &
Rated: n/a

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Final: SPEC-Sulfur--Burnside-Authors; Brian E Bentley/AE/DuPont; Raymond G Allen/AE/DuPont; Rob M Brown/AE/DuPont;
SPEC-Sulfur--Burnside-Editors

List any names for off-site notification List any additional names below for the Final Report:

Workflow / Status	Approver/ Completed By:	Upon Completion - Copy Email to:	Completed Date:	Approval Required From:
DRAFT/NEW				
0 Draft	Author Thomas Miller		06/11/2012	All
IN-PROGRESS				
1 Rate Incident	Maintenance, Environmental Manager Thomas Miller		06/13/2012	Any One
2 Approve Rating	Plant Manager Thomas Miller/CL/DuPont			All
3 Formal Investigation	Incident Lead Investigation Leader			All
4 Submitted To Authorizer	Plant Manager Thomas Miller	Final	06/13/2012	All
COMPLETE				
20 Issued				

Status/Edit Tracking

Update History:

06/11/2012 : Thomas Miller : Status updated to Rate Incident
06/13/2012 : Thomas Miller for Kerry Long,T Gene Clemons : Status updated to Submitted To Authorizer
06/13/2012 : Thomas Miller : Status updated to Issued

Added as per PQR#11183629 - Lookup for PComplete11 to PComplete15

*Only past five edits are shown

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